

REMARKS

Reconsideration of the application is requested in view of the above amendments and the following remarks. Claims 4-6 have been cancelled. Amendments to Claim 1 are supported by cancelled claim 4 and the second embodiment and Figures 4 and 6 of the current application (see page 7, lines 8-14 and 17-21 of the present specification). Changes made to the claims by the current amendment are shown in the attached "Version with Markings to Show Changes Made."

The drawings were objected to under 37 CFR 1.83(a) as they relate to the limitations of claim 6. Claim 6 has been cancelled, rendering this objection moot. However, Applicants submit that a "minimum distance" recited in claim 6 is clearly shown as the "minimum distance d" illustrated in Figure 14. Applicants do not concede the correctness of this objection.

Claims 4 and 5 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Claims 4 and 5 have been cancelled, rendering this rejection moot as to those claims. In claim 1, "another part" has been characterized as "another part of the electron shield".

Claims 1, 3 and 4 were rejected under 35 U.S.C. § 102(b) as being anticipated by Kokubu et al., U.S. 4,931,690. Applicants respectfully traverse this rejection. Claim 4 has been cancelled, rendering this rejection moot as to that claim. Applicants do not concede the correctness of this rejection as it relates to claim 4.

Kokubu discloses an electron shield 11 provided with holes 111. The holes 111 are used to secure the electron shield 11 to a support frame 4 (see column 3, lines 12-15 of Kokubu). The holes 111 are located on an outer side of a tube axis side edge (hereinafter referred to as "side edge") of the support frame 4, rather than on the tube axis side of the side edge of the support frame 4. Furthermore, the holes 111 are not located on a portion of the shield 11 that extends to a point inward of a point inward of a tube axis side edge of support frame 4. Thus, Kokubu fails to disclose that "the part of the electron shield having the smaller anhysteretic magnetic permeability extends to a point inward of a tube axis side edge of the mask frame," as required by claim 1. In addition, Kokubu fails to address the problem of a magnetic field that leaks from a front end of the electron shield causing mis-landing, which problem is solved by the configuration of claim 1. Therefore, Kokubu fails to disclose every limitation of claim 1 and fails to address the problem being solved by the configuration of claim 1. Withdrawal of the rejection is respectfully requested.

Claims 1, 2 and 4-6 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Youn et al., U.S. 6,144,149 in view of Jeong et al., U.S. 5,298,832. Applicants respectfully

traverse this rejection. Claims 4-6 have been cancelled, rendering this rejection moot as to those claims. Applicants do not concede the correctness of this rejection as it relates to claims 4-6.

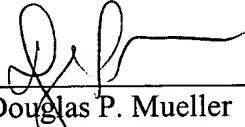
Youn discloses holes 121a that are formed in a frame 120. The holes 121a can reduce an effect of the earth's magnetic field through the frame 120 (see Figure 5 and column 3, lines 3-10 of Youn). Jeong discloses a frame 4 that is used as an electron shield. If the frame 120 disclosed by Youn were used as an electron shield in view of the disclosure provided by Jeong, the holes 121a of Youn would not be formed in a portion of the frame functioning as the electron shield. An electron shield effect cannot be obtained when the holes 121a are formed in the portion of the frame functioning as the electron shield, which is contrary to the concept of using the frame as an electron shield, as disclosed by Jeong. Thus, the combination of Youn and Jeong does not disclose or suggest a configuration in which "the part of the electron shield having the smaller anhysteretic magnetic permeability is located on tube axis side with respect to the mask frame," as required by claim 1. Therefore, neither Young, Jeong, nor a combination of these references disclose or suggest every limitation of claim 1, and the claims that depend from it. Withdrawal of the rejection is respectfully requested.

In view of the above, Applicants request reconsideration of the application in the form of a Notice of Allowance.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims

Claims 4-6 have been cancelled and claim 1 has been amended as follows:

1. (Once Amended) A color cathode ray tube comprising:
 - a mask frame;
 - a shadow mask fixed to the mask frame;
 - an inner magnetic shield supported by the mask frame; and
 - an electron shield [provided in] extending inwardly of the mask frame;
 - wherein at least a part of the electron shield has a smaller anhysteretic magnetic permeability than another part of the electron shield, the shadow mask, the mask frame and the inner magnetic shield when an applied magnetic field is 800 A/m (10 Oe), and
the part of the electron shield having the smaller anhysteretic magnetic permeability
extends to a point inward of a tube axis side edge of the mask frame.